

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
P-5055

SERIAL NO.
09/573,540

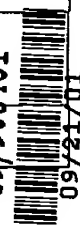
INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

APPLICANT
TIMOTHY R. HANSEN ET AL.

FILING DATE
MAY 19, 2000

GROUP
2053-1743

11002 U.S. PTO
09/960431



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCL ASS	FILING DATE
	3,985,649	10/12/76	Roy T. Eddelman	210/42		11/25/74
	4,272,510	6/9/81	Kendall O. Smith et al.	427/47		4/26/76
	4,438,068	3/20/84	Gordon C. Forrest	422/61		11/12/80
	4,436,627	3/13/84	Matthew J. McMonigle	210/695		5/10/82
	4,793,973	12/27/88	Anthony Ringrose	422/102		11/12/87
	4,895,650	1/23/90	Robert Wang	210/222		2/25/88
	4,988,618	1/29/91	May K. Li et al	435/6		5/3/89
	5,200,084	4/6/93	Paul A. Liberti et al	210/695		9/26/90
	5,318,914	6/7/94	Claude Matte et al	436/526		7/21/92
	5,485,785	10/17/95	Roland P. Howe	210/695		9/24/93
	5,543,289	8/6/96	Stefan Miltényi	435/2		5/31/94
	5,518,890	5/21/96	William H. Starkweather	435/7.94		11/20/92
	5,567,326	10/22/96	Steven J. Ekenberg et al	210/695		9/19/94
	5,602,042	2/11/97	Fredric Farber	436/526		4/14/94
	5,628,407	5/13/97	Douglas C. Gilbert et al	209/214		12/5/94
	5,705,062	1/6/98	Rolf Knobel	210/205		9/7/94
	5,714,390	2/3/98	Robert A. Hallowitz	436/526		10/15/96
	5,770,461	6/23/98	Taku Sakazume et al	436/526		8/30/95
	5,779,892	7/14/98	Stefan Miltényi et al	210/222		11/15/96
	5,779,907	7/14/98	Hao Yu	210/695		12/6/96
	5,888,835	3/30/99	Steven E. Bushnell et al	436/526		5/10/96
	5,922,284	7/13/99	Yoshihiro Kinoshita et al	422/68.1		5/19/98
	5,976,369	11/2/99	Roland Paul Howe et al	210/222		4/2/98
	5,985,153	11/16/99	Gerald J. Dolan et al	210/695		6/2/97
	5,993,665	11/30/99	Leon W. M. M. et al	210/695		6/2/97
	5,985,671	11/16/99	Hermann Leistner et al	436/49		8/11/95
	5,993,740	11/30/99	Yasushi Niiyama et al	422/52		7/17/97
	5,998,224	12/7/99	Thomas E. Rohr et al	436/526		5/16/97
	6,020,210	2/1/00	Stefan Miltényi	436/526		1/23/95
	6,020,211	2/1/00	Jukka Tuunanen	436/526		10/20/95
	6,033,574	3/7/00	Iqbal W. Siddiqi	210/695		7/29/97
	6,040,192	3/21/00	Jukka Tuunanen	436/177		8/26/97
	6,057,167	5/2/00	Chan-Long Shieh	436/526		5/31/96
	6,063,616	5/16/00	Norman F. Weeden et al	435/283.1		11/4/97
	4,497,708	2/5/85	James M. Young	210/222		2/22/83
	4,716,024	12/29/87	Ivo Pera	422/186.01		6/25/86
	4,865,730	9/12/89	Béla Lám et al	210/222		5/27/87
	4,895,647	1/23/90	Tadao Uchiyama	210/171		8/1/88
	5,064,530	11/12/91	David A. Duff et al	210/94		6/4/90
	5,066,071	11/19/91	Robert W. Kinser	301/108 TW		8/24/90
	5,078,871	1/7/92	David F. McCready	210/222		6/19/90
	5,294,350	3/15/94	Richard J. Murphy	210/168		4/2/93

JAN LUDLOW
PRIMARY EXAMINER

6/03

Hansen et al.

09/573540

May 19, 2000

AV 17A3

Exr. LUDLOW

5,714,063	2/3/98	William J. Brunsting	210/222	5/28/96
5,772,877	6/30/98	Simon Dvorchik	210/223	2/2/96
5,961,824	10/5/99	Joseph Caiozza	210/222	12/22/97
5,965,018	10/12/99	Joseph Caiozza	210/222	5/18/98
5,969,903	10/19/99	Norbert s. Parsonault et	360/99.08	8/17/98
6,004,459	12/21/99	Joseph Caiozza	210/222	9/13/97
6,007,715	12/28/99	Yung-Sheng Liu et al	210/222	9/15/98
6,007,716	12/28/99	Leonard Calvert	210/223	10/18/95
4,422,935	12/27/83	Denis A. E. Mattingly	210/223	12/21/79
4,485,012	11/27/84	Ewald Ehresmann	210/223	8/16/82
4,552,664	11/12/85	Philip E. Benner	210/695	5/9/84
4,594,160	6/10/86	Hans-Günter Heitmann et	210/222	2/27/85
4,601,823	7/22/86	William D. Beck	210/222	5/15/85
4,662,314	5/5/87	Henry J. Moore Jr.	122/379	9/25/85
4,738,799	4/19/88	Michael Troy	252/633	5/19/86
4,772,387	9/20/88	Jean-Yves Simoni	210/132	2/12/86
4,784,767	11/15/88	Tetsuhiko Hasuda et al	210/222	3/16/87
4,818,395	4/4/89	Elfriede Schulz et al	210/222	8/3/87
4,892,655	1/9/90	Leopold Makovec	210/222	2/15/87
4,902,428	2/20/90	Henry E. Cohen	210/695	11/22/88
4,904,381	2/27/90	Kazuko Urakami	210/223	7/16/87
4,941,973	7/17/90	Mamoru Suzuki	210/175	6/29/88
4,956,083	9/11/90	Domingo Tovar	210/222	6/1/89
4,956,084	9/11/90	Jeffrey G. Stevens	210/222	8/21/89
4,957,626	9/18/90	Clifford L. Ashbrook	210/695	8/25/87
4,999,106	3/12/91	Robert H. Schindler	210/222	6/16/89
5,006,240	4/9/91	Robert F. Steffero	210/223	2/6/90
5,024,759	6/18/91	Thomas M. McGrath	210/222	6/2/89
5,066,390	11/19/91	Keith J. Rhodes et al	209/217	6/4/90
5,171,431	12/15/92	Hartmut Schulte	210/94	5/31/91
5,238,558	8/24/93	Richard F. Curtis	210/222	6/10/92
5,238,577	8/24/93	Roy R. Newsom	210/695	6/22/92
5,271,834	12/21/93	Pierre Mondiny	210/222	6/28/91
5,296,141	3/22/94	Mearl E. Ellison	201/222	1/28/93
5,364,536	11/15/94	Dominique Mercier	210/695	10/12/90
5,366,623	11/22/94	Colonel Clair	210/222	9/11/92
5,378,362	1/3/95	Adolf Schoepe	210/222	9/30/92
5,380,430	1/10/95	James M. Overton	210/222	12/13/93
5,453,188	9/26/95	Viorel Florescu et al	210/222	6/20/94
5,496,470	3/5/96	Thomas W. Lenhart	210/222	5/27/94
5,670,041	9/23/97	Young I. Cho et al	210/222	10/17/95
5,683,579	11/4/97	William Steven Lopes	210/222	12/20/96
5,683,586	11/4/97	Gregory A. Harcourt et al	210/695	2/5/96
5,685,993	11/11/97	Qi Liu	210/695	6/30/95
5,759,391	6/2/98	Adam Stadtmuller	210/222	7/23/96
5,783,074	7/21/98	David Stanley	210/222	1/7/97
5,804,067	9/8/98	Wallace McDonald et al	210/222	7/9/96
5,814,221	9/29/98	Raul Patino Cervantes	210/542	5/3/96
5,816,058	10/6/98	Chang Woo Lee et al	62/126	11/13/95
5,837,143	11/17/98	Dominique Mercier	210/695	9/16/94
5,855,790	1/5/99	David Bradbury et al	210/676	2/7/95

JAN LUDLOW
PRIMARY EXAMINER

6/03

AU 1743
Exr. LUDLOW

5,858,223	1/12/99	Adam Antoni Stadtmuller et al	210/222	3/12/96
5,882,514	3/16/99	Charles J. Fletcher	210/223	7/21/97
5,891,332	4/6/99	Shouzou Okamoto	210/223	6/3/97
5,932,096	8/3/99	Norihide Saho et al	210/208	9/18/97
6,024,881	2/15/00	Gerard A. Just	210/695	8/11/98
6,068,768	5/30/00	Roland K. Carpenter	210/222	4/13/98
4,664,796	5/12/87	Marshall D. Graham	210/222	9/16/85
4,729,949	3/8/88	Arye Weinreb et al	435/30	11/8/83
4,904,391	2/27/90	Richard B. Freeman	210/695	10/9/85
4,910,148	3/20/90	Otto Sorensen et al	435/317.1	12/10/87
5,464,752	11/7/95	Kenneth H. Kortright	435/7.24	4/8/93
5,468,616	11/21/95	Wallace H. Coulter	435/7.2	4/29/93
5,514,340	5/7/96	Peter Lansdorp et al	422/101	1/24/94
5,536,475	7/16/96	Ahmad-Maher Moubayed et al	422/101	3/14/94
5,639,669	6/17/97	Robert Ledley	436/177	6/7/95
5,684,712	11/4/97	Randal A. Goffe et al	364/502	4/20/95
5,691,208	11/25/97	Stefan Miltenyi et al	436/526	6/7/95
5,766,552	6/16/98	Sonal R. Doshi	422/101	2/5/96
5,834,197	11/10/98	Adrian Parton	435/6	5/10/95
5,876,593	3/2/99	Paul A. Liberti	210/95	9/15/97
5,916,818	6/29/99	Johannes Irsch	436/548	3/9/98
6,008,002	12/28/99	Bela Bodey	435/7.23	9/29/97
6,036,857	3/14/00	Ching-Jen Chen et al	210/222	2/20/98
6,071,407	6/6/00	James Henry Peter Watson et al	210/615	8/15/96
4,018,886	4/19/77	Ivar Giaever	424/12	7/1/75
4,141,687	2/27/79	Gordon C. Forrest et al	23/230 R	3/10/77
4,855,045	8/8/89	Thomas A. Reed	210/223	1/13/83
5,039,426	8/13/91	John C. Giddings	210/695	8/21/89
5,084,169	1/28/92	Richard D. Noble	210/222	9/19/89
5,135,720	8/4/92	Toyoaki Uchida	422/107	5/30/90
5,340,749	8/23/94	Koichi Fujiwara et al	436/526	12/17/92
5,498,550	3/12/96	Koichi Fujiwara et al	436/526	5/25/94
5,541,072	7/30/96	Yuzhou Wang et al	435/7.21	4/18/94
5,565,365	10/15/96	Thomas R. Glass	436/526	5/10/95
5,746,978	5/5/98	Gerhard Bienhaus	422/68.1	7/17/97
5,795,470	8/18/98	Yuzhou Wang et al	210/222	6/7/95
5,972,721	10/26/99	John G. Bruno et al	436/526	3/14/97
6,117,398	9/12/00	Gerhard Bienhaus	422/101	3/28/96
5,647,994	7/15/97	Jukka Tuunanen et al	210/695	6/20/94
6,133,037	10/17/00	Hideji Tajima	436/49	9/30/97
3,752,443	8/14/73	Bernard Lichtenstein	259/1 R	12/13/71
3,988,240	10/26/76	Foster Fraas	209/214	4/5/73
4,726,904	2/23/88	William M. Ayers	210/658	12/17/84
4,936,687	6/26/90	Jan E. Lilja et al	366/143	11/23/88
5,670,329	9/23/97	Bruce J. Oberhardt	435/13	5/28/93
5,681,478	10/28/97	Tor Erling Lea	210/695	12/6/90
5,773,307	6/30/98	Bruno Colin et al	436/526	9/20/94
6,027,946	2/22/00	Werner Weitschies et al	436/526	1/29/96

JAN LUDLOW
PRIMARY EXAMINER

6/03

6,046,585	4/4/00	Michael Bancroft Simmonds	324/239	11/21/97
3,970,518	7/20/76	Ivar Giaever	195/1.5	7/1/75
5,076,950	12/31/91	Edwin F. Ullman et al	252/62.51	6/5/90
5,167,811	12/1/92	David J. Graves et al	210/198.2	3/4/92
5,242,833	9/7/93	Joseph F. Lawlor	436/71	3/20/91
5,370,993	12/6/94	Thomas L. Tarnowski et al	435/7.21	5/12/92
5,422,279	6/6/95	Joseph F. Lawlor et al	436/17	6/8/93
5,437,974	8/1/95	Terence E. Ryan et al	435/5	2/4/92
5,536,644	7/16/96	Edwin F. Ullman et al	435/7.25	12/9/94
5,595,913	1/21/97	Joseph F. Lawlor et al	436/17	2/23/95
5,646,001	7/8/97	Leon W. M. M. Terstappen et al	435/7.21	2/28/95
5,665,554	9/9/97	Michael Alan Reeve et al	435/6	6/9/95
5,763,203	6/9/98	John Ugelstad et al	435/7.24	3/10/94
5,973,138	10/26/99	Matthew P. Collis	536/25.41	10/30/98
6,027,945	2/22/00	Craig E. Smith et al	436/526	1/21/97

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
209490A2	21/01/87	EUROPEAN PAT. OFF.			
712000A2	15/05/96	EUROPEAN PAT. OFF.			
905520A1	31/03/99	EUROPEAN PAT. OFF.			
4429155A1	22/2/96	GERMANY			
9609550	28/03/96	WORLD INT. PROP. O.			
8705003	27/08/87	WORLD INT. PROP. O.			
9308919	13/5/93	WORLD INT. PROP. O.			
9631781	10/10/96	WORLD INT. PROP. O.			
0691541A2	10/1/96	EUROPEAN PAT. OFF.			
9112079	22/8/91	WORLD INT. PROP. O.			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER

JAN LUDLOW
 PRIMARY EXAMINER

DATE CONSIDERED

6/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.